SAMPLING AND ANALYSIS WORKSHEET

Worksheet Number ___

Section I. Process Knowledge Information: (To be completed by generator)

General Information: Attach additional sheets if necessary.

1. Waste generation location (Bldg. / Room or Area) _____
   Current location of waste if different from above _____
2. Description of waste (Example: soil, gravel, filters, solidified waste oil):
   _____
   _____
3. Describe process / activity that generated the waste (Examples: test drilling, core sampling):
   _____

❒ This waste is from the treatment facility, the process conducted for the final waste form is
❒ Solidification, ❒ Encapsulation, ❒ Other (explain) _____
❒ List of original disposal requisitions attached.

4. Procedures used when generating the waste: _____
5. List and attach any additional supporting information (e.g. existing analytical data, investigative reports):
   _____
6. Program / organization that generated the waste: _____
7. Quantity of waste: Weight _____ No. of Drums _____ No. of Boxes _____
8. Container type (if already packaged): ❒ 55 gallon drum, ❒ 30 gallon drum, ❒ 4x4x7 box, ❒ 2x4x7 box
   ❒ Other _____

Waste Evaluation:

9. Does the waste contain any of the following:
   Verified by: *VI=Visual Inspection; PK=Process Knowledge*

a.	Grease / oil	❒ Yes	❒ No	❒ Unknown	❒ VI	❒ PK
b.	Hazardous residues	❒ Yes	❒ No	❒ Unknown	❒ VI	❒ PK
	If yes, what are the residues _____					
c.	Entrapped liquids	❒ Yes	❒ No	❒ Unknown	❒ VI	❒ PK
	If yes, is it less than 0.5% by volume of the waste? ❒ Yes ❒ No					
	What is the liquid? _____					
d.	Particulates [> 1% by weight of < 10-micrometer diameter (flour) or > 15% by weight of < 200-micrometer diameter (sand)]	❒ Yes	❒ No	❒ Unknown	❒ VI	❒ PK
e.	Compressed gases	❒ Yes	❒ No	❒ Unknown	❒ VI	❒ PK
f.	Etiologic agents	❒ Yes	❒ No	❒ Unknown	❒ VI	❒ PK
g.	Chelating agents	❒ Yes	❒ No	❒ Unknown	❒ VI	❒ PK
	If yes, is the concentration less than 1% by weight? ❒ Yes ❒ No					
h.	PCBs (capacitors, etc.)	❒ Yes	❒ No	❒ Unknown	❒ VI	❒ PK
i.	Explosives	❒ Yes	❒ No	❒ Unknown	❒ VI	❒ PK
j.	Pyrophorics	❒ Yes	❒ No	❒ Unknown	❒ VI	❒ PK
k.	Asbestos	❒ Yes	❒ No	❒ Unknown	❒ VI	❒ PK
	If yes, is it ❒ friable ❒ non-friable. If friable, please segregate.					

SAMPLING AND ANALYSIS WORKSHEET

Section I. continued

Radiological Characterization

10. Radionuclides present in the waste and the estimated activity for each nuclide: ❒ Unknown

Radionuclide	Activity (Ci)	Radionuclide	Activity (Ci)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

❒ See attached sheet ❒ The above and ❒ attached nuclides are the suspect nuclides, activity unknown.

11. Determination of radionuclides: ❒ Unknown

❒ Process Knowledge: Explain: (Example: Inventory Controls) _____

_____

12. Determination of Activity: ❒ Unknown

❒ Gamma Spectroscopy
❒ Mass Balance
❒ High Sensitivity Neutron Instrument
❒ AVLIS Method
❒ Liquid Scintillation
❒ Alpha Spectrometry
❒ Mass-to-Curie Conversion
❒ Tritium Off-Gas Measurement
❒ Other (explain) _____

List procedure(s) followed: _____

❒ DPM or CPM to Curie Survey: Instrument _____ Probe _____
Attach memo describing methodology used.

I certify that the waste characterization information provided on this form is complete and accurate. I have obtained this information by:

❒ Direct knowledge of the waste generating process
❒ Obtaining sufficient information from others who are knowledgeable of the waste generating process

Generator (please print) _____ Extension _____

Signature _____ Date _____

SAMPLING AND ANALYSIS WORKSHEET

Section II. Sampling (To be completed by QA/QC Technical Lead or designee)

1. Person / organization responsible for sampling: _____

   Responsible person has been trained. ❒ Yes ❒ No

2. Analytical Methods

   Check all methods that the waste must be analyzed by:

❒ Volatiles 8260 (TCLP ZHE 1311)	❒ Gross alpha beta	❒ Other: _____
❒ Semivolatiles 8270	❒ Alpha Spectrometry	❒ _____
❒ STLC Metals (including Hg)	❒ Gamma Spectroscopy	❒ _____
❒ PCBs 8080	❒ Tritium	❒ _____

Name and address of Laboratory to be used: _____

_____

Completed by: Print Signature Date

Section III. Sampling Frequency and Selection (To be completed by QA/QC Technical Lead or designee)

_____

Completed by: Print Signature Date

Section IV. Sampling Strategy (To be completed by QA/QC Technical Lead or designee)

_____

Completed by: Print Signature Date

Section V. Sampling Methodology (To be completed by QA/QC Technical Lead or designee)

_____

Completed by: Print Signature Date

Section VI. Radiological Characterization Review (To be completed by Health Physicist)

Analytical methods acceptable: ❒ Yes ❒ No

Comments:

_____

Completed by: Print Signature Date